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Weekly Report

# Morbidity and Mortality

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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ATLANTA 22, GEORGIA

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON  
DEATHS IN SELECTED CITIES FOR WEEK ENDED DECEMBER 22, 1962

**POLIOMYELITIS** — The week ending December 22, 1962, brought reports of 19 cases of poliomyelitis (16 paralytic). This is a marked increase over the 6 cases (5 paralytic) noted the previous week, but can be attributed to a large number of delayed reports submitted this week. The comparable week in 1961 accounted for 13 cases (10 paralytic).

Nine States reported cases this week with Pennsylvania and Illinois accounting for 5 and 4 cases respectively. No new case concentrations have been noted.

The poliomyelitis incidence for 1962 remains well below that for the comparable period in preceding years as is shown in the following table.

## Poliomyelitis (Cumulated Weekly) Through 51st Week for Past Five Years

	1962	1961	1960	1959	1958
Paralytic	701	869	2256	5676	3113
Total	879	1334	3240	8518	6034

**INFLUENZA** — No confirmed outbreaks have been observed in any of the 13 States reporting for the week ending December 21.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	51st Week			Cumulative		
	Ended December 22, 1962	Ended December 23, 1961	Median 1957 - 1961	First 1962	51 weeks 1961	Median 1957 - 1961
Aseptic meningitis.....	43	20	---	2,517	3,113	---
Brucellosis .....	3	4	7	389	566	717
Diphtheria.....	5	5	29	447	569	883
Encephalitis, infectious.....	18	23	22	1,766	1,630	1,788
Hepatitis, infectious and serum....	886	1,199	445	52,484	71,426	22,575
Measles.....	3,460	4,050	4,316	472,227	417,569	425,602
Meningococcal infections.....	39	49	43	2,085	2,119	2,225
Poliomyelitis, total.....	19	13	31	879	1,334	5,914
Paralytic .....	16	10	15	701	869	2,143
Nonparalytic.....	2	1	10	124	313	2,819
Unspecified.....	1	2	6	54	152	952
Streptococcal sore throat and Scarlet fever .....	6,717	5,997	---	306,935	310,985	---
Tetanus .....	1	---	---	284	---	---
Tularemia .....	8	---	---	299	---	---
Typhoid fever .....	7	7	7	612	805	844
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	---	---	214	---	---
Rabies in Animals.....	37	47	47	3,504	3,332	3,835

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:  
Botulism:  
Malaria: N. C. - 4  
Plague:

Psittacosis: Md. - 1, Conn. - 1, Minn. - 1  
Rabies in Man:  
Smallpox:  
Typhus, murine:

Throat washings and sera obtained from an outbreak of acute febrile respiratory disease involving 200 students at DePauw University in Greencastle, Indiana, during mid-November (See MMWR Vol. 11, p. 371, November 30, 1962) have been received at the Respirovirus Unit of the Communicable Disease Center. Studies performed to date have yielded the following results: no virus has been recovered from any of the throat washings received; complement fixation tests on paired sera showed no significant titer rises to influenza A or B; serologic tests for infection with parainfluenza types 1, 2, and 3, adenovirus and respiratory syncytial virus have also yielded negative results.

#### SPECIAL REPORT

#### Poliomyelitis and Polio-like Disease Following Oral Vaccine

On December 17 and 18, the Surgeon General's Special Advisory Committee on Oral Poliomyelitis Vaccine met for the fifth time to review in detail all cases of suspected polio-like illness currently known to have been associated in time with the administration of oral polio virus vaccine of all three types in non-epidemic areas.

The report of the Committee's findings and recommendations were made public by the Surgeon General on December 19 and is here reproduced in full. The cases considered by the Committee are presented as a line listing in the accompanying table. Many of these cases had previously been presented and discussed in the technical report by Dr. Luther Terry entitled "The Association of Cases of Poliomyelitis with the Use of Type III Oral Poliomyelitis Vaccines" (See MMWR Vol. 11, 298-304, 1962, September 28, 1962).

#### Report of the Special Advisory Committee on Oral Poliomyelitis Vaccine to the Surgeon General, Public Health Service. December 18, 1962.

The Committee met to review all cases of suspect polio-like illness currently known to have been associated with the administration of oral poliovirus vaccine of all three types in non-epidemic areas. These included, in addition to cases previously considered, 25 cases newly discovered among persons fed vaccine and four cases among individuals in contact with vaccinated persons. Some of the cases previously accepted as "compatible" have been dropped from this category because of additional clinical and laboratory evidence that has become available. New cases have been added to the "compatible" group where careful review has justified such action.

It should be emphasized that the committee does not consider that an individual case can be proved to be caused by the vaccine and no laboratory test has thus far provided a definitive answer. However, it has attempted to decide for each case whether or not it is "compatible" with the possibility of having been induced by the vaccine. Cases have been judged as "compatible" when three criteria were met: (1) onset within a period (4-30 days after feeding) consistent with a reasonable incubation period; (2) an illness clinically consistent with paralytic polio; and (3) laboratory findings which do not exclude a vaccine relationship.

On the basis of data now available the total number of cases associated in time with the direct administration of Type III vaccine and considered by a committee majority as "compatible" is now 11, of which 8 are over 30 years of age. Four cases were excluded as clearly unrelated to Type III vaccination; and seven cases were considered inconclusive as to a possible vaccine relationship.

The total number of cases associated with the administration of Type I vaccine and considered as "compatible" is seven, of which 4 are over 30 years of age. Ten cases were excluded; six were considered inconclusive. None of the three Type II associated cases was judged to be "compatible."

It should be noted that the total number of doses of oral vaccine given in non-epidemic areas during 1962 is approximately 31 million Type I, 19 million Type II and 15 million Type III. Hence, the maximum potential risk for Types I and III is of the order of one per million or less over-all, but higher for those over 30 years of age. For Type II there is still no indication of risk.

Consideration of the four cases in unvaccinated persons in household contact with vaccinees resulted in two being judged "compatible" and two "excluded." One additional "compatible" case occurred in a non-household contact. Considering the large amount of vaccine administered and the known frequency of vaccine virus spread from vaccinated to unvaccinated persons, particularly within homes, it is concluded that contact spread has posed no significant hazard.

It is therefore recommended: (1) that community plans for immunization be encouraged, using all three types; and, (2) that immunization be emphasized for children in whom the danger of naturally occurring poliomyelitis is greatest and who serve as the natural source of poliomyelitis infection in the community. Because the need for immunization diminishes with advancing age and because potential risks of vaccine are believed by some to exist in adults, especially above the age of 30, vaccination should be used for adults only with the full recognition of its very small risk. Vaccination is especially recommended for those adults who are at higher risk of naturally occurring disease; for example, parents of young

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**CASES OF POLIO-LIKE ILLNESS FOLLOWING ORAL POLIO VACCINES OCCURRING OUTSIDE OF EPIDEMIC AREAS IN 1962  
REVIEWED BY THE SURGEON GENERAL'S ADVISORY COMMITTEE ON POLIOMYELITIS VACCINES**

State <sup>1</sup>	Age	Sex	Doses	Days from Feeding of OPV to Onset of Illness <sup>2</sup>			Virus Isolate <sup>3</sup> Type	Antibody <sup>3</sup> Response	Committee Appraisal
				I	II	III			
<b>I. Cases Following Type I Vaccine</b>									
Calif.	8	M	4	2(7)			I	**	I
Calif. (NR)	11	M	4	?(4)	0			Inconclusive	Inconclusive
Calif. (NR)	32	M	0	(14)	I	**	I	Compatible	Compatible
Calif.	42	M	0	8(11)	1	**	I	Compatible	Compatible
Calif.	2	F	2	18(19)	I	**	1	Compatible	Compatible
Calif.	58	M	0	25(26)	**			Inconclusive	Compatible <sup>4</sup>
Calif. (NR)	3	M	5	?(40)	I	**	**	Excluded	Inconclusive
Calif.	7	F	6	22(25)	II <sup>5</sup>	**		Inconclusive	Inconclusive
Calif. (NR)	33	M	3	-2(12)	III	**		Inconclusive	Excluded
Calif. (NR)	30	M	3	14(23)	III	**		Inconclusive	Excluded
Calif. (NR)	4	F	?	-4(8)	I	**	Inconclusive	Excluded	Excluded
Calif. (NR)	11	M	4	-8(6)	I	**	Inconclusive	Excluded	Inconclusive
Calif. (NR)	33	M	0	9(18)	0		**	Excluded	Excluded
Calif. (NR)	37	M	8	(97)	(1)	(48)	-	-	Compatible
Calif. (NR)	35	M	0	9(11)	1	**	**	Compatible	Compatible
Ill.	16	M	?	4(6)	1	Non-Vacc. like (3 Specimens) Vaccine-like (1 Specimen)	1	Compatible	Compatible
<b>II. Cases Following Type II Vaccine</b>									
Neb.	5	F	4	(>90)	16(23)	(>90)	**	Inconclusive	Inconclusive
Ohio <sup>3</sup>	2	F	2	(85)	(8)	-	III	-	Excluded
Ohio <sup>7</sup>	67	M	0	(64)	(8)	(36)	0	Inconclusive	Inconclusive
<b>III. Cases Following Type III Vaccine</b>									
Mass.	4	M	4	54(64)	26(36)	0	-	Excluded	Inconclusive
Mass.	54	F	0		22(24)	0	**	Inconclusive	Compatible
Mich. (4)	23	M	2 or 4	76(80)	16(20)	III	Intermediate to Non-Vacc. like	Inconclusive	Inconclusive
Mich. (5)	36	F	0		22(28)	III	Vaccine-like	III	Compatible
Neb.(6)	18	F	5	34(42)	7(15)	III	Vaccine-like	Inconclusive	Compatible
Neb. (7)	51	M	0	51(54)	22(25)	0		Inconclusive	Compatible
Neb. (8)	37	M	0	43(48)	15(20)	-		Inconclusive	Compatible
Neb.	50	F	4	61(69)	19(27)	0		1, II, III	Compatible
Neb.	57	M	0	49(57)	12(20)	0	1	Inconclusive	Inconclusive
Neb.	6	M	3	49(56)	7(14)	II <sup>8</sup>		Inconclusive	Inconclusive
Neb.	13	F	3	41(44)	16(19)	III	Vaccine-like	Inconclusive	Compatible
Neb.	55	M	0	46(52)	10(16)	-		Inconclusive	Inconclusive
N. Y. (9)	49	M	0	(> 90)	26(29)	0	1, II, III	Inconclusive	Inconclusive
Ohio <sup>7</sup>	67	M	0	(64)	(8)	(36)	0	Inconclusive	Inconclusive
Ohio(10) <sup>6</sup>	16	M	0	28(43)	1(15)	-	III	Inconclusive	Inconclusive
Ohio(11) <sup>9</sup>	36	M	0		21(25)	0	1, III	Compatible	Compatible
Oregon(12)	48	F	0	34(38)	7(11)	III	Vaccine-like	1, II, III	Compatible
Oregon(13)	39	M	0	50(51)	23(24)	III	Vaccine-like	Inconclusive	Compatible
Oregon(14)	6	M	0	(54)	(27)	1	Non-Vacc. like	Inconclusive	Excluded
Oregon(15)	52	M	0	52(53)	19(20)	III	Vaccine-like	Inconclusive	Compatible
Pa.	6	M	5	(55)	(8)	III	Vaccine-like	Inconclusive	Excluded
Wash. (16) <sup>6</sup>	6	M	4	(37)	(5)	1	Vaccine-like	I	Excluded
<b>IV. Cases Among Household Contacts of Vaccinees</b>									
La.	21	M	0		(26)	I	**	I	Excluded
Mass.	42	F	4	(55)	(25)	-		-	Excluded
Mass.	18/12	M	0	(59)	(18)	I	Intermediate to Non-Vacc. like	1	Compatible
N. Y. <sup>10</sup>	29	M	0	(55)	(25)	III	Vaccine-like	III	Compatible
Ohio <sup>10</sup>	6/12	M	0	(69)	(33)	III	Vaccine-like	-	Compatible

- The numbers in parentheses following State designation corresponds with the numbers of the cases in the technical report of the Surgeon General - September 20, 1962. (NR) California cases not yet officially reported but considered from a special report submitted by the California State Department of Public Health.
- The numbers in parentheses indicate intervals from feeding to onset of paralysis.
- Key: - No specimen; 0 No isolate obtained; \*\* In process. Virus character was determined by the modified Wecker and McBride tests.
- Considered a "compatible" case if laboratory work in process is not inconsistent with a vaccine relationship.
- Type II vaccine fed 2 days before specimen collected.
- Considered (and listed) with relation to Type I and Type III vaccine administration.
- Considered (and listed) with relation to Type II and Type III vaccine administration.
- Type II vaccine fed 8 days before specimen collected.
- Also compatible with Type I household contact spread.
- Contact in adjacent apartment.

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES UNITED STATES FOR WEEKS INDEXED

DECEMBER 23, 1961 AND DECEMBER 22, 1962

Area	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic				Poliomyelitis, Nonparalytic		Aseptic Meningitis	
	51st week		Cumulative First 51 weeks		51st week		Cumulative First 51 weeks		51st week		51st week	
	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961
UNITED STATES.....	19	13	879	1,334	16	10	701	869	2	1	43	20
NEW ENGLAND.....	-	2	9	50	-	2	8	33	-	-	1	1
Maine.....	-	-	-	7	-	-	-	7	-	-	-	-
New Hampshire.....	-	1	-	3	-	1	-	1	-	-	-	-
Vermont.....	-	1	1	13	-	1	-	11	-	-	-	-
Massachusetts.....	-	-	7	21	-	-	7	10	-	-	-	-
Rhode Island.....	-	-	-	1	-	-	-	1	-	-	1	-
Connecticut.....	-	-	1	5	-	-	1	3	-	-	-	-
MIDDLE ATLANTIC.....	5	2	86	344	5	1	65	226	-	1	10	-
New York.....	-	-	58	256	-	-	40	163	-	-	8	-
New Jersey.....	-	-	9	35	-	-	9	28	-	-	-	-
Pennsylvania.....	5	2	19	53	5	1	16	35	-	1	2	-
EAST NORTH CENTRAL.....	5	1	140	180	3	-	105	111	1	-	5	9
Ohio.....	-	-	20	48	-	-	18	22	-	-	1	4
Indiana.....	1	1	24	20	-	-	18	11	-	-	-	-
Illinois.....	4	-	63	37	3	-	45	19	1	-	4	4
Michigan.....	-	-	21	41	-	-	17	32	-	-	-	1
Wisconsin.....	-	-	12	34	-	-	7	27	-	-	-	-
WEST NORTH CENTRAL.....	3	-	41	80	3	-	30	36	-	-	2	-
Minnesota.....	-	-	7	6	-	-	7	6	-	-	2	-
Iowa.....	-	-	7	21	-	-	3	10	-	-	-	-
Missouri.....	2	-	12	27	2	-	7	9	-	-	-	-
North Dakota.....	-	-	5	5	-	-	3	1	-	-	-	-
South Dakota.....	1	-	2	4	1	-	2	2	-	-	-	-
Nebraska.....	-	-	8	8	-	-	8	4	-	-	-	-
Kansas.....	-	-	-	9	-	-	-	4	-	-	-	-
SOUTH ATLANTIC.....	-	2	77	224	-	2	69	166	-	-	2	1
Delaware.....	-	-	-	2	-	-	-	1	-	-	-	-
Maryland.....	-	-	2	44	-	-	1	33	-	-	-	-
District of Columbia..	-	-	2	3	-	-	1	3	-	-	-	-
Virginia.....	-	-	10	14	-	-	10	14	-	-	1	-
West Virginia.....	-	-	18	33	-	-	18	23	-	-	1	-
North Carolina.....	-	-	13	21	-	-	11	11	-	-	-	-
South Carolina.....	-	-	6	35	-	-	6	27	-	-	-	-
Georgia.....	-	-	17	30	-	-	14	23	-	-	-	-
Florida.....	-	2	9	42	-	2	8	31	-	-	1	-
EAST SOUTH CENTRAL.....	1	1	81	94	1	1	68	54	-	-	6	-
Kentucky.....	1	-	30	27	1	-	24	5	-	-	1	-
Tennessee.....	-	-	12	26	-	-	6	10	-	-	-	-
Alabama.....	-	-	22	11	-	-	22	11	-	-	2	-
Mississippi.....	-	1	17	30	-	1	16	28	-	-	3	-
WEST SOUTH CENTRAL.....	3	-	333	156	2	-	256	88	1	-	-	-
Arkansas.....	-	-	23	23	-	-	20	12	-	-	-	-
Louisiana.....	2	-	32	55	2	-	29	44	-	-	-	-
Oklahoma.....	-	-	32	4	-	-	23	-	-	-	-	-
Texas.....	1	-	246	74	-	-	184	32	1	-	-	-
MOUNTAIN.....	-	3	19	54	-	2	15	32	-	-	6	3
Montana.....	-	-	4	4	-	-	3	2	-	-	-	-
Idaho.....	-	1	2	15	-	-	1	6	-	-	-	-
Wyoming.....	-	-	2	1	-	-	1	-	-	-	-	-
Colorado.....	-	1	4	11	-	1	3	11	-	-	5	-
New Mexico.....	-	-	2	6	-	-	2	2	-	-	-	-
Arizona.....	-	1	4	9	-	1	4	7	-	-	1	3
Utah.....	-	-	1	8	-	-	1	4	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	2	2	93	152	2	2	85	123	-	-	11	6
Washington.....	-	-	5	32	-	-	5	30	-	-	2	-
Oregon.....	-	-	7	17	-	-	5	8	-	-	-	-
California.....	2	2	81	98	2	2	75	80	-	-	9	6
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	5	-	-	-	5	-	-	-	-
Puerto Rico.....	1	-	13	7	1	-	13	7	-	-	-	-

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 23, 1961 AND DECEMBER 22, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, Infectious		Hepatitis, Infectious and Serum				Measles	
	51st week 1962	Cumu- lative 51 weeks 1962	51st week 1962	Cumu- lative 51 weeks 1962	51st week		Under 20 yr. 1962	20 & over 1962	Total 1962	Total 1961	51st week	
					1962	1961					1962	1961
UNITED STATES.....	3	389	5	447	18	23	506	324	886	1,199	3,460	4,050
NEW ENGLAND.....	-	4	-	4	1	-	59	45	104	54	119	686
Maine.....	-	-	-	-	-	-	32	18	50	11	1	164
New Hampshire.....	-	-	-	-	-	-	1	5	6	1	18	57
Vermont.....	-	1	-	-	-	-	-	1	1	-	18	1
Massachusetts.....	-	1	-	2	-	-	22	14	36	28	33	377
Rhode Island.....	-	-	-	1	1	-	-	1	-	1	6	8
Connecticut.....	-	2	-	1	-	-	3	7	10	8	41	56
MIDDLE ATLANTIC.....	-	9	-	22	3	5	148	75	223	191	399	699
New York.....	-	4	-	18	2	4	51	43	94	77	212	421
New Jersey.....	-	1	-	2	-	-	12	17	29	53	97	186
Pennsylvania.....	-	4	-	2	1	1	85	15	100	61	90	92
EAST NORTH CENTRAL.....	-	81	-	13	3	1	86	57	151	287	1,438	644
Ohio.....	-	1	-	-	1	-	27	16	47	118	255	37
Indiana.....	-	7	-	5	-	-	13	6	19	23	42	-
Illinois.....	-	56	-	3	2	1	16	16	33	33	81	300
Michigan.....	-	6	-	4	-	-	29	16	45	105	245	217
Wisconsin.....	-	11	-	1	-	-	1	3	7	8	815	90
WEST NORTH CENTRAL.....	2	158	2	99	1	1	16	12	32	142	178	82
Minnesota.....	-	14	-	30	-	-	6	3	11	63	121	17
Iowa.....	-	85	-	15	-	-	2	3	5	45	22	6
Missouri.....	-	4	-	5	-	-	1	2	4	19	16	1
North Dakota.....	-	2	-	8	-	-	-	-	-	7	19	57
South Dakota.....	1	15	2	21	-	-	-	-	-	-	-	1
Nebraska.....	1	15	-	18	-	-	1	5	3	9	4	-
Kansas.....	-	23	-	2	1	-	2	1	3	4	NN	NN
SOUTH ATLANTIC.....	-	27	1	130	2	9	54	31	88	149	283	285
Delaware.....	-	-	-	-	-	-	2	1	3	-	1	1
Maryland.....	-	1	-	-	-	-	4	6	10	13	3	25
District of Columbia.....	-	-	-	2	-	-	4	-	4	5	3	20
Virginia.....	-	13	-	14	-	1	8	4	14	25	-	78
West Virginia.....	-	-	-	2	-	-	11	3	14	28	206	66
North Carolina.....	-	2	-	12	-	1	16	6	22	40	13	21
South Carolina.....	-	-	-	10	-	-	1	-	1	10	4	9
Georgia.....	-	3	1	46	-	-	3	-	3	8	2	-
Florida.....	-	8	-	44	2	7	5	11	17	20	51	65
EAST SOUTH CENTRAL.....	-	19	-	34	-	1	42	20	62	83	66	386
Kentucky.....	-	1	-	-	-	-	2	2	4	15	3	-
Tennessee.....	-	9	-	7	-	1	32	12	44	40	60	310
Alabama.....	-	7	-	19	-	-	5	-	5	6	1	1
Mississippi.....	-	2	-	8	-	-	3	6	9	22	2	75
WEST SOUTH CENTRAL.....	1	39	-	122	1	2	33	27	60	37	103	234
Arkansas.....	-	11	-	20	-	1	7	1	8	5	-	101
Louisiana.....	1	9	-	11	-	-	4	6	10	8	1	-
Oklahoma.....	-	8	-	8	-	-	5	1	6	2	-	4
Texas.....	-	11	-	83	1	1	17	19	36	22	102	129
MOUNTAIN.....	-	16	2	12	-	-	4	8	38	55	439	232
Montana.....	-	1	-	6	-	-	1	1	2	2	124	51
Idaho.....	-	1	-	1	-	-	-	-	-	9	49	22
Wyoming.....	-	1	-	-	-	-	1	-	1	-	7	35
Colorado.....	-	2	-	-	-	-	-	-	11	25	104	8
New Mexico.....	-	-	2	5	-	-	2	5	8	2	NN	NN
Arizona.....	-	6	-	-	-	-	-	-	14	13	67	87
Utah.....	-	5	-	-	-	-	1	2	3	4	88	29
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	-	36	-	11	7	4	64	49	128	201	435	802
Washington.....	-	-	-	-	1	-	12	14	26	41	84	328
Oregon.....	-	3	-	-	-	-	16	-	28	16	52	89
California.....	-	30	-	6	4	28	33	64	128	163	153	
Alaska.....	-	2	-	5	-	-	8	2	10	15	1	232
Hawaii.....	-	1	-	-	-	-	-	-	-	1	135	-
Puerto Rico.....	-	-	-	36	-	-	9	4	13	24	22	32

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
DECEMBER 23, 1961 AND DECEMBER 22, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	51st wk.	Cumulative 51 weeks	51st week	51st wk.			51st wk.	51st wk.	Cumulative 51 weeks	51st week	1961	Cumulative 51 weeks
		1962	1962	1962	1962	1962	1962	1962	1962	1962	1961	1962
UNITED STATES....	39	2,085	6,717	5,997	1	-	8	7	612	37	47	3,504
NEW ENGLAND.....	2	124	523	268	-	-	-	-	11	-	-	2
Maine.....	-	19	12	5	-	-	-	-	2	-	-	1
New Hampshire.....	-	4	19	1	-	-	-	-	-	-	-	-
Vermont.....	-	4	-	2	-	-	-	-	-	-	-	-
Massachusetts.....	1	51	100	80	-	-	-	-	8	-	-	1
Rhode Island.....	-	13	60	34	-	-	-	-	1	-	-	-
Connecticut.....	1	33	332	146	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	10	370	335	262	-	-	-	1	67	2	-	165
New York.....	1	158	189	136	-	-	-	-	34	1	-	109
New Jersey.....	6	91	73	62	-	-	-	-	13	-	-	1
Pennsylvania.....	3	121	73	64	-	-	-	1	20	1	-	55
EAST NORTH CENTRAL.....	8	407	642	462	1	-	1	-	92	-	12	736
Ohio.....	2	121	105	77	-	-	-	-	44	-	3	376
Indiana.....	-	31	84	106	-	-	1	-	12	-	5	186
Illinois.....	2	91	134	62	1	-	-	-	17	-	1	92
Michigan.....	4	140	192	91	-	-	-	-	12	-	2	46
Wisconsin.....	-	24	127	126	-	-	-	-	7	-	1	36
WEST NORTH CENTRAL.....	2	115	71	119	-	-	2	1	32	13	8	934
Minnesota.....	1	25	10	24	-	-	-	-	-	5	2	238
Iowa.....	-	13	27	18	-	-	-	-	2	4	1	351
Missouri.....	1	27	6	7	-	-	1	1	25	2	-	158
North Dakota.....	-	8	6	40	-	-	-	-	2	-	-	52
South Dakota.....	-	10	8	5	-	-	-	-	1	2	3	107
Nebraska.....	-	17	-	-	-	-	-	-	2	-	1	21
Kansas.....	-	15	14	25	-	-	1	-	-	-	1	7
SOUTH ATLANTIC.....	5	314	595	587	-	-	-	-	103	7	6	369
Delaware.....	-	35	13	4	-	-	-	-	2	-	-	-
Maryland.....	1	26	20	8	-	-	-	-	3	-	-	11
Dist. of Columbia.....	-	7	1	1	-	-	-	-	10	-	-	-
Virginia.....	-	74	127	72	-	-	-	-	19	1	3	137
West Virginia.....	-	18	127	111	-	-	-	-	5	6	2	144
North Carolina.....	2	71	80	49	-	-	-	-	6	-	-	1
South Carolina.....	-	21	32	6	-	-	-	-	9	-	-	-
Georgia.....	1	12	1	-	-	-	-	-	24	-	-	12
Florida.....	1	50	194	336	-	-	-	-	25	-	1	64
EAST SOUTH CENTRAL.....	3	135	913	1,025	-	-	3	1	75	6	3	360
Kentucky.....	-	42	32	2	-	-	-	-	26	6	1	135
Tennessee.....	3	54	835	947	-	-	3	1	29	-	2	202
Alabama.....	-	21	11	8	-	-	-	-	12	-	-	23
Mississippi.....	-	18	35	68	-	-	-	-	8	-	-	-
WEST SOUTH CENTRAL.....	4	177	596	722	-	-	1	1	126	4	13	605
Arkansas.....	3	21	1	-	-	-	1	-	33	1	1	69
Louisiana.....	-	75	9	5	-	-	-	-	32	3	1	25
Oklahoma.....	-	8	2	2	-	-	-	1	7	-	-	28
Texas.....	1	73	584	715	-	-	-	-	54	-	11	483
MOUNTAIN.....	1	68	1,824	1,048	-	-	1	-	48	-	1	40
Montana.....	-	6	27	35	-	-	-	-	10	-	-	-
Idaho.....	-	3	142	176	-	-	-	-	1	-	-	-
Wyoming.....	-	5	154	46	-	-	-	-	3	-	-	-
Colorado.....	1	11	707	163	-	-	-	-	8	-	-	4
New Mexico.....	-	9	395	233	-	-	-	-	13	-	1	13
Arizona.....	-	15	238	223	-	-	1	-	11	-	-	23
Utah.....	-	10	161	172	-	-	-	-	2	-	-	-
Nevada.....	-	9	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	4	375	1,218	1,504	-	-	-	3	58	5	4	293
Washington.....	1	26	337	525	-	-	-	2	3	-	-	-
Oregon.....	-	22	49	26	-	-	-	-	1	-	-	17
California.....	3	310	820	847	-	-	-	1	52	5	4	276
Alaska.....	-	9	1	88	-	-	-	-	1	-	-	-
Hawaii.....	-	8	11	18	-	-	-	-	1	-	-	-
Puerto Rico.....	-	9	2	1	-	-	-	-	17	-	-	20

Table 4 (C) TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	12/1	12/8	12/15	12/22		12/1	12/8	12/15	12/22
<b>NEW ENGLAND:</b>									
Boston, Mass.	20	10	12	17	Atlanta, Ga.	3	9	12	12
Bridgeport, Conn.	4	5	4	4	Baltimore, Md.	29	24	5	16
Cambridge, Mass.	0	1	0	0	Charlotte, N.C.	4	7	4	5
Fall River, Mass.	2	2	0	0	Jacksonville, Fla.	8	2	4	7*
Hartford, Conn.	7	6	3	10	Miami, Fla.	4	8	2	6
Lowell, Mass.	0	2	1	5	Norfolk, Va.	7	10	4	16
Lynn, Mass.	0	0	0	2	Richmond, Va.	11	22	5	9
New Bedford, Mass.	2	2	1	1	Savannah, Ga.	2	4	2	3
New Haven, Conn.	1	11	1	2	St. Petersburg, Fla.	1	4	1	5
Providence, R.I.	5	6	3	3	Tampa, Fla.	1	5	5	9
Somerville, Mass.	1	0	1	0	Washington, D.C.	25	13	31	20
Springfield, Mass.	3	1	0	4	Wilmington, Del.	4	2	2	3
Waterbury, Conn.	1	1	4	4					
Worcester, Mass.	5	1	1	0					
<b>MIDDLE ATLANTIC:</b>									
Albany, N.Y.	3	7	3	2	EAST SOUTH CENTRAL:	12	9	6	14
Allentown, Pa.	0	0	1	2	Birmingham, Ala.	4	6	4	4*
Buffalo, N.Y.	10	7	4	8	Chattanooga, Tenn.	1	3	0	2
Camden, N.J.	3	5	5	5	Knoxville, Tenn.	1	20	7	6
Elizabeth, N.J.	2	2	2	4	Louisville, Ky.	17	27	6	15
Erie, Pa.	1	3	3	1	Memphis, Tenn.	4	5	5	1
Jersey City, N.J.	3	3	3	9	Mobile, Ala.	6	2	4	5
Newark, N.J.	7	22	4	5	Montgomery, Ala.	12	7	4	8
New York City, N.Y.	76	100	105	85	Nashville, Tenn.	3	3	3	0
Paterson, N.J.	3	2	1	2	WEST SOUTH CENTRAL:	4	5	4	2
Philadelphia, Pa.	28	36	25	39	Austin, Tex.	1	1	0	5
Pittsburgh, Pa.	17	18	9	12	Baton Rouge, La.	10	16	12	9
Reading, Pa.	1	0	2	1	Corpus Christi, Tex.	8	10	6	8
Rochester, N.Y.	9	10	3	8	Dallas, Tex.	7	7	6	10
Schenectady, N.Y.	0	2	1	1	El Paso, Tex.	20	18	16	19
Scranton, Pa.	3	1	3	1	Houston, Tex.	3	5	5	4
Syracuse, N.Y.	5	6	4	8	Little Rock, Ark.	18	11	15	21
Trenton, N.J.	2	4	3	4	New Orleans, La.	8	7	5	6
Utica, N.Y.	1	1	1	1	Oklahoma City, Okla.	10	11	15	14
Yonkers, N.Y.	1	1	2	1	San Antonio, Tex.	6	4	12	2
<b>EAST NORTH CENTRAL:</b>									
Akron, Ohio	5	1	3	3	Shreveport, La.	1	3	4	3
Canton, Ohio	4	5	3	3	Tulsa, Okla.	1	4	1	4
Chicago, Ill.	45	61	53	39	MOUNTAIN:	10	15	10	6
Cincinnati, Ohio	17	8	3	7	Albuquerque, N. Mex.	3	2	0	1
Cleveland, Ohio	16	8	21	7	Colorado Springs, Colo.	11	7	3	11
Columbus, Ohio	9	12	12	11	Denver, Colo.	0	0	0	1
Dayton, Ohio	10	6	9	8	Ogden, Utah	5	9	7	9
Detroit, Mich.	24	45	29	26	Phoenix, Ariz.	2	3	2	2
Evansville, Ind.	2	2	3	2	Pueblo, Colo.	3	7	7	2
Flint, Mich.	10	1	3	6	Salt Lake City, Utah	1	4	1	4
Fort Wayne, Ind.	6	2	3	1	Tucson, Ariz.	0	1	1	4
Gary, Ind.	3	3	0	5	PACIFIC:	0	1	1	4
Grand Rapids, Mich.	6	5	4	3	Berkeley, Calif.	1	1	5	7
Indianapolis, Ind.	9	7	11	13	Fresno, Calif.	1	1	3	1
Madison, Wis.	5	6	2	3	Glendale, Calif.	2	9	3	3
Milwaukee, Wis.	3	7	8	9	Honolulu, Hawaii	10	3	4	2
Peoria, Ill.	0	1	2	4	Long Beach, Calif.	52	23	49	40
Rockford, Ill.	3	2	3	1	Los Angeles, Calif.	10	7	7	7
South Bend, Ind.	0	2	3	3	Oakland, Calif.	1	1	3	3
Toledo, Ohio	2	6	5	4	Pasadena, Calif.	7	7	6	9
Youngstown, Ohio	3	6	1	3	Portland, Oreg.	4	4	2	5
<b>WEST NORTH CENTRAL:</b>									
Des Moines, Iowa	4	2	2	3	Sacramento, Calif.	9	13	7	7
Duluth, Minn.	1	1	0	2	San Diego, Calif.	10	13	5	17
Kansas City, Kans.	2	10	3	3	San Francisco, Calif.	4	7	5	8
Kansas City, Mo.	10	30	8	11	Seattle, Wash.	12	14	8	11
Lincoln, Nebr.	1	0	1	1	Spokane, Wash.	1	1	3	1
Minneapolis, Minn.	7	9	7	6	Tacoma, Wash.	4	3	1	4
Omaha, Nebr.	5	7	8	4	San Juan, P.R.	2	4	3	2
St. Louis, Mo.	19	17	14	16					
St. Paul, Minn.	2	3	4	5					
Wichita, Kans.	8	4	3	6					

\*Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 12,470  
 4(B) Pneumonia-Influenza Deaths, all ages..... 505  
 4(C) Total Deaths under 1 Year of Age..... 855  
 4(D) Total Deaths, Persons 65 years and over.... 7,070

\*Estimate - based on average percent of divisional total  
 Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.



children, pregnant women, persons in epidemic situations and those planning foreign travel.

Of greatest importance is the continuing vaccination of oncoming generations.

#### Committee Members

Members of the Surgeon General's Committee are: Dr. David Bodian, The Johns Hopkins School of Medicine; Dr. John Fox, Public Health Research Institute of the City of New York; Dr. Archie L. Gray, Secretary and Executive Officer, Mississippi State Board of Health; Dr. William McD. Hammon, University of Pittsburgh; Dr. Hugh Hussey, Dean, School of Medicine, Georgetown University; Dr. Alexander Langmuir, Public Health Service, Communicable Disease Center, Atlanta, Georgia; Dr. Roderick Murray, Public Health Service, National Institutes of Health, Bethesda, Md; Dr. John Paul, Yale University School of Medicine; Dr. Albert Sabin, University of Cincinnati; Dr. Edward D. Shaw, University of California School of Medicine; and Dr. Joseph E. Smadel, Public Health Service, National Institutes of Health, Bethesda, Md.

#### INFANT DEATHS IN 108 CITIES

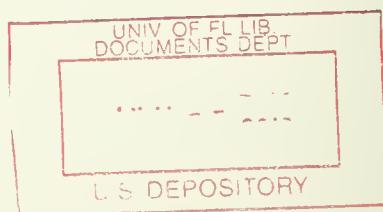
The average number of infant deaths in 108 cities for the four-week period ending December 22 was 858, as compared with an expected average of 786, an excess of 72 deaths per week above the expected number. This figure, however, reflects delayed notifications of infant deaths for the previous four-week period when the observed number declined to an average of 54 per week below the expected number. The average excess for the two periods is not unduly great when compared to previous fluctuations. Examination of infant death reports by geographic division and by city showed no concentrations.

#### Total Deaths Under One Year of Age Recorded in 108 Cities

	Week Ending				4 Week Total	Weekly Average
	12/1	12/8	12/15	12/22		
Observed	850	962	765	855	3,432	858
Expected	786	786	786	785	3,143	786
Excess	64	176	- 21	70	289	72

#### INTERNATIONAL NOTES - QUARANTINE MEASURES

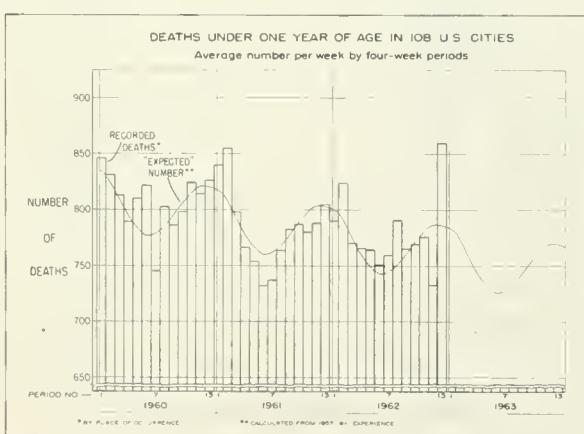
No Report.



U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
Communicable Disease Center  
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(See table, page 407)